



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2018-07-16-11 Date: 19-07-18
Customer : Assistant Executive Engineer, Vidyanayapura Sub Division, BBMP,
Address : Vidyanayapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10
(Doddabommasandra), Vidyanayapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 16-07-18
Sample ID No : 2018-07-16-11 /01
Sample Type : Birla Super 53grade
Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5, Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11, DETERMINATION OF DENSITY , Clause 6
Date of test : 17-07-18
Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.85	—
2	Fineness by Air permeability method (m ² /kg.Min)	292.4	225m ² /kg, Min
3	Density (gm/cc)	3.15	—
4	Standard Consistency (%)	28.5	Not specified
5	Initial Setting time (minutes)	145	Not less than 30 minutes
6	Final Setting time (minutes)	260	Not more than 600 minutes
7	Soundness (Le Chatelier's Method) (mm)	1.5	Not more than 10 mm

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.

R. Karthik Rechan

R KARTHIK RECHAN
Authorized Signatory
Quality Manager



Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2018-07-16-11 **Date:** 14-08-18

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-07-18

Sample ID No : 2018-07-16-11 /01

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 6, Determination of Compressive Strength, Clause 6

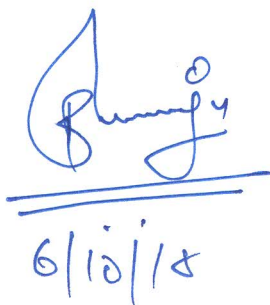
Date of test : 17-07-18

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

Compressive Strength			
Sl.No.	Physical properties	Results (N/mm ²)	Requirement as per IS 12269: 2013
1	3 Days	29.50	Not less than 27 N/mm ²
2	7 Days	38.50	Not less than 37 N/mm ²
3	28 Days	56.50	Not less than 53 N/mm ²

Note:

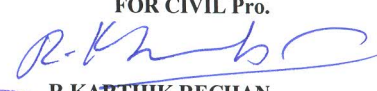
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



6/10/18

Page 1/1
****End of Report****

FOR CIVIL Pro.



R KARTHIK RECHAN
Authorized Signatory
Quality Manager





AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2018-07-16-11 Date: 19-07-18
Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address : Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample condition : Satisfactory
Date of Receipt : 16-07-18
Sample ID No : 2018-07-16-11 /02(a)
Sample Type : 40mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 16-07-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	411	411	2.7	97.3	90-100
3	20 mm	5899	6310	42.1	57.9	30-70
4	10 mm	6012	12322	82.1	17.9	10-35
5	4.75 mm	2188	14510	96.7	3.3	0-5
6	Pan	490	15000	100.0	0	---

Page 1/2

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2018-07-16-11

Date: 19-07-18

Sample ID No : 2018-07-16-11 /02(a)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.8	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.3	
3	Specific Gravity	2.63	—
4	Bulk Density(Loose) (Kg/l)	1.38	—
5	Bulk Density(Compacted) (Kg/l)	1.45	—
6	Water Absorption(%)	0.29	—

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

(Signature)
Assistant Executive Engineer
Vidyanarayana Sub Division
BBMP, Bangalore - 97

FOR CIVIL Pro.

(Signature)
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



Page 2/2

****End of Report****

(Signature)
6/10/18



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2018-07-16-11 Date: 19-07-18
Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address : Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer Reference : BBMP/EE/BTP/VO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 16-07-18
Sample ID No : 2018-07-16-11 /02(b)
Sample Type/ Size : 20mm down size coarse aggregate
Reference to BIS codes : IS: 383:2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1,3,4) RA2011
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
IS 2386 Part 4: Mechanical Properties
Date of test : 16-07-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	152	152	3.0	97.0	90-100
3	10 mm	2598	2750	55.0	45.0	25-55
4	4.75 mm	2055	4805	96.1	3.9	0-10
5	Pan	195	5000	100	0	—

6/60/18

Page 1/2
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2018-07-16-11

Date: 19-07-18

Sample ID No : 2018-07-16-11 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	8.9	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.1	
3	Specific Gravity	2.63	—
4	Bulk Density(Loose) (Kg/l)	1.41	—
5	Bulk Density(Compacted) (Kg/l)	1.48	—
6	Water Absorption(%)	0.32	—
7	Aggregate crushing Value(%)	28.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.9	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

Note:

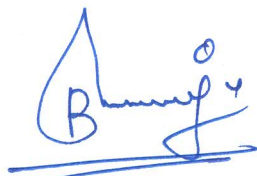
The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate


6/10/18
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97Page 2/2
End of Report

FOR CIVIL Pro.


R KARTHIK RECHAN
Authorized Signature
Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-07-16-11 Date: 19-07-18

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-07-18

Sample ID No : 2018-07-16-11 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

Date of test : 16-07-18

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	19	19	1.9	98.1	90-100	90-100	90-100	95-100
3	2.36 mm	214	233	23.3	76.7	60-95	75-100	85-100	95-100
4	1.18 mm	185	418	41.8	58.2	30-70	55-90	75-100	90-100
5	600 micron	162	580	58.0	42.0	15-34	35-59	60-79	80-100
6	300 micron	179	759	75.9	24.1	5-20	8-30	12-40	15-50
7	150 micron	166	925	92.5	7.5	0-10	0-10	0-10	0-15
8	Pan	75	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

Page 1/2

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-07-16-11

Date: 19-07-18

Sample ID No : 2018-07-16-11 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.25	—
2	Specific Gravity	2.58	—
3	Material finer than 75 micron(%)	4.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

FOR CIVIL Pro.



R KARTHIK RECHAN

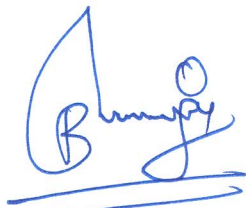
Authorized Signatory

Quality Manager



Page 2/2

****End of Report****


6/10/18
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID : CP-2018-07-16-11 Date: 18-07-18

Customer : Assistant Executive Engineer, Vidyanarayapura Sub Division, BBMP, Bangalore.

Address : Vidyanarayapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyanarayapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-07-18

Sample ID No : 2018-07-16-11 /05

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.

Date of test: : 17-07-18

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm ²)	(N/mm ²)	(%)		
1	Sunvik	Fe500	8	0.392	528	647	21.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.612	542	659	21.5%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.883	562	682	21.0%	Satisfactory	Satisfactory

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate


6/10/18


Assistant Executive Engineer
Vidyanarayapura Sub Division
BBMP, Bangalore - 97
Page 1/1
End of Report



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE - 3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID : CP-2018-07-16-11 Date: 20-07-18

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-07-18

Sample ID No : 2018-07-16-11 /05

Sample Type/Size : Solid concrete blocks of size (400X150X200)mm

Reference to BIS codes : IS : 2185 (Part 1) : 2005(RA 2010) Concrete Masonry Specification
Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)

Date of test : 17-07-18

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10 ⁶	Avg.Block Density in (Kg/cum)	As per IS 2185 (Part 1):2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm ³)	Kg	Kg/m ³	Kg/m ³	
1	402	151	202	12262	24.510	1998.9	2012.6	Not less than 1800Kg/m ³
2	401	149	201	12010	24.380	2030.1		
3	402	151	201	12201	24.510	2008.8		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185 (Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	25.91	24.64	4.89	4.25	Shall not be more than 10% by mass
2	25.85	24.74	4.28		
3	25.89	24.96	3.59		

Page 1/3

[Signature]
6/10/18

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

[Signature]



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

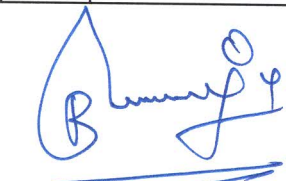
Lab ID : CP-2018-07-16-11
Sample ID No : 2018-07-16-11 /05

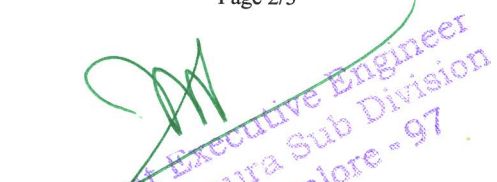
Date: 20-07-18

DIMENSION ANALYSIS

Sl.no	Length mm	Breadth mm	Height mm	Requirement as per IS 2185(Part 1):2005
1	399	151	200	Length : $\pm 5\text{mm}$ Breadth : $\pm 3\text{mm}$ Height : $\pm 3\text{mm}$
2	403	149	201	
3	400	150	201	
4	400	151	199	
5	404	152	203	
6	399	150	202	
7	403	152	200	
8	403	149	200	
9	401	150	202	
10	400	150	200	
11	400	149	201	
12	402	149	199	
13	401	151	202	
14	399	151	203	
15	402	150	203	
16	400	151	203	
17	404	151	200	
18	400	151	201	
19	402	150	203	
20	399	150	203	
Average of 20	401	150	201	

Page 2/3


6/10/18


Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97





Lab ID : CP-2018-07-16-11

Date: 20-07-18

Sample ID No : 2018-07-16-11 /05

COMPRESSIVE STRENGTH:

Sl. No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm ²)	(KN)	N/mm ²	(N/mm ²)
1	399	151	60455	282.5	4.7	4.5
2	403	149	60144	260.6	4.3	
3	400	150	60224	252.8	4.2	
4	400	151	60553	285.1	4.7	
5	404	152	61280	264.8	4.3	
6	399	150	59845	283.9	4.7	
7	403	152	61214	287.2	4.7	
8	403	149	60210	258.6	4.3	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm ²	4.00 N/mm ²
C (4.0)	4.00 N/mm ²	3.20 N/mm ²

Note:

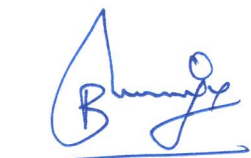
The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate


6/10/18

Assistant Executive Engineer
 Vidyanayapura Sub Division
 BBMP, Bangalore - 97

Page 3/3

****End of Report****

FOR CIVIL Pro.


R KARTHIK RECHAN
 Authorized Signatory
 Quality Manager





AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-23-11 Date: 27/07/2018

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 23-07-18

Sample ID No : 2018-07-23-11 /01

Customer ID : M20 Concrete(RMC)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	150.22 X 151.21 X 149.42	22715	8.409	420.7	18.5	18.6
2	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	151.06 X 149.83 X 151.11	22633	8.441	428.0	18.9	
3	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	149.14 X 150.32 X 149.26	22419	8.382	410.3	18.3	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate


6/10/18


Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Page 1/1
****End of Report****

FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-23-11 Date: 17/08/2018

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 23-07-18

Sample ID No : 2018-07-23-11 /02

Customer ID : M20 Concrete(RMC)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	151.95 X 151.15 X 149.79	22968	8.309	522.5	23.3	23.1
2	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	150.92 X 150.16 X 151.73	22663	8.103	515.3	22.6	
3	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	150.47 X 149.25 X 151.31	22458	8.600	524.4	23.4	

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate


6/10/18


Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Page 1/1

****End of Report****



FOR CIVIL Pro.


R. KARTHIK RECHAN
Authorized Signatory
Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-23-11 Date: 27/07/2018

Customer : Assistant Executive Engineer, Vidyanarayapura Sub Division, BBMP, Bangalore.

Address : Vidyanarayapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyanarayapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 23-07-18

Sample ID No : 2018-07-23-11 /01

Customer ID : M20 Concrete(RMC)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	150.81 X 149.29 X 151.38	22515	8.563	420.0	18.6	18.6
2	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	150.67 X 151.65 X 151.58	22849	8.448	424.4	18.7	
3	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	149.21 X 150.40 X 149.44	22440	8.253	423.2	18.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

[Signature]
6/10/18

[Signature]
Assistant Executive Engineer
Vidyanarayapura Sub Division
BBMP, Bangalore - 97
Page 1/1
****End of Report****

FOR CIVIL Pro.
[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO
BANGALORE
Sig.....
Date.....

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

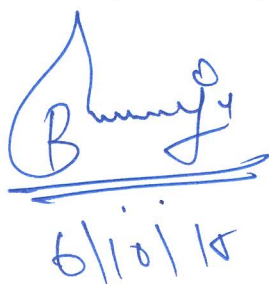
TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-23-11 **Date:** 17/08/2018
Customer : Assistant Executive Engineer, Vidyananyapura Sub Division, BBMP, Bangalore.
Address : Vidyananyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyananyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 23-07-18
Sample ID No : 2018-07-23-11 /02
Customer ID : M20 Concrete(RMC)
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 17/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	150.91 X 149.31 X 151.42	22533	8.380	529.0	23.4	23.0
2	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	151.89 X 149.62 X 150.34	22725	8.567	507.0	22.3	
3	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	149.91 X 151.78 X 149.33	22753	8.504	525.2	23.3	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



6/10/18

Assistant Executive Engineer
Vidyananyapura Sub Division
BBMP, Bangalore - 97

Page 1/1

****End of Report****

FOR CIVIL Pro.

R. KARTHIK RECHAN
Authorized Signatory
Quality Manager





AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-23-11 Date: 27/07/2018
Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address : Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 23-07-18
Sample ID No : 2018-07-23-11 /01
Customer ID : M20 Concrete(RMC)
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	149.40 X 149.60 X 151.33	22351	8.588	410.1	18.2	18.6
2	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	151.26 X 150.94 X 151.78	22831	8.219	418.4	18.5	
3	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	150.98 X 149.27 X 149.86	22537	8.162	429.7	18.9	

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

6/10/18

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97
Page 1/1
****End of Report****



FOR CIVIL Pro.
R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

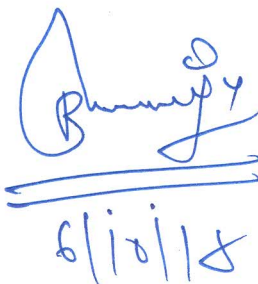
Lab ID : CP-2018-07-23-11 **Date:** 17/08/2018
Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address : Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 23-07-18
Sample ID No : 2018-07-23-11 /02
Customer ID : M20 Concrete(RMC)
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	149.52 X 151.39 X 149.98	22636	8.011	538.0	23.5	23.2
2	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	149.31 X 151.84 X 150.73	22672	8.541	519.6	22.9	
3	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	151.77 X 149.49 X 149.57	22689	8.395	520.9	23.1	

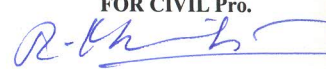
Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be disposed after 90 days from the date of issue of test certificate




 Assistant Executive Engineer
 Vidyaranyapura Sub Division
 BBMP, Bangalore - 97
 Page 1/1
 ****End of Report****



FOR CIVIL Pro.

R KARTHIK RECHAN
 Authorized Signatory
 Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-23-11 Date: 27/07/2018

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 23-07-18

Sample ID No : 2018-07-23-11 /01

Customer ID : M20 Concrete(RMC)

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	150.91 X 151.06 X 150.98	22796	8.266	415.1	18.1	18.7
2	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	151.12 X 151.80 X 150.88	22939	8.182	425.7	19.0	
3	M20 Concrete(RMC)	M20	20/07/2018	27/07/2018	151.50 X 151.52 X 149.72	22955	8.105	436.4	19.0	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

[Signature]
6/10/18

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97
Page 1/1
****End of Report****



FOR CIVIL Pro.
[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

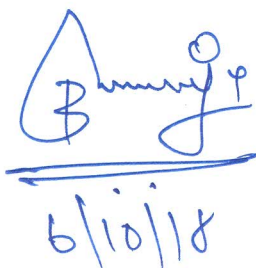
TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-23-11 **Date:** 17/08/2018
Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address : Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 23-07-18
Sample ID No : 2018-07-23-11 /02
Customer ID : M20 Concrete(RMC)
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 17/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	151.29 X 151.49 X 151.47	22919	8.213	532.8	23.8	23.3
2	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	149.01 X 150.43 X 151.63	22416	8.567	519.0	22.8	
3	M20 Concrete(RMC)	M20	20/07/2018	17/08/2018	151.10 X 150.37 X 149.24	22721	8.284	526.9	23.5	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



6/10/18

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Page 1/1
****End of Report****



FOR CIVIL Pro.
R. KARTHIK RECHAN
Authorized Signatory
Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-26-07 Date: 31/07/2018

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-07-18

Sample ID No : 2018-07-26-07 /01

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete	M20	24/07/2018	31/07/2018	151.44 X 150.63 X 150.06	22811	8.167	414.0	18.5	18.5
2	M20 Concrete	M20	24/07/2018	31/07/2018	149.44 X 149.45 X 149.55	22335	8.091	411.3	18.2	
3	M20 Concrete	M20	24/07/2018	31/07/2018	149.04 X 149.84 X 150.53	22332	8.197	420.7	18.8	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

6/10/18

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Page 1/1

****End of Report****



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/08/2018

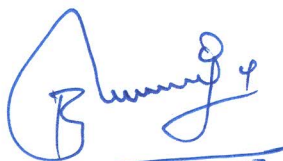
Lab ID : CP-2018-07-26-07
Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address : Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 26-07-18
Sample ID No : 2018-07-26-07 /02
Customer ID : M20 Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

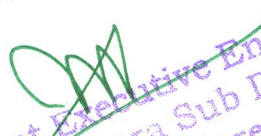
Date of test : 21/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete	M20	24/07/2018	21/08/2018	150.64 X 151.43 X 150.88	22812	8.412	520.0	23.0	22.9
2	M20 Concrete	M20	24/07/2018	21/08/2018	151.51 X 151.04 X 150.02	22884	8.257	506.0	22.4	
3	M20 Concrete	M20	24/07/2018	21/08/2018	150.93 X 149.03 X 151.51	22493	8.084	521.8	23.3	

Note:

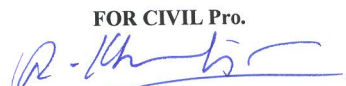
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate


6/10/18


Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Page 1/1
****End of Report****



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-26-07 Date: 31/07/2018

Customer : Assistant Executive Engineer, Vidyanayapura Sub Division, BBMP, Bangalore.

Address : Vidyanayapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyanayapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-07-18

Sample ID No : 2018-07-26-07 /03

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete	M20	24/07/2018	31/07/2018	150.11 X 150.29 X 150.43	22560	8.180	416.9	18.4	18.7
2	M20 Concrete	M20	24/07/2018	31/07/2018	151.90 X 149.26 X 150.61	22672	8.203	424.6	18.9	
3	M20 Concrete	M20	24/07/2018	31/07/2018	149.58 X 151.87 X 149.95	22717	8.194	433.9	18.9	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

[Signature]
6/10/18

[Signature]
Assistant Executive Engineer
Vidyanayapura Sub Division
BBMP, Bangalore - 97

Page 1/1

****End of Report****



FOR CIVIL Pro.

[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-26-07 **Date:** 21/08/2018
Customer : Assistant Executive Engineer, Vidyananyapura Sub Division, BBMP, Bangalore.
Address : Vidyananyapura Sub Division, BBMP, Bangalore.
Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyananyapura Sub Division.
Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094
Customer's Reference : BBMP/EE/BTP/WO/27/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 26-07-18
Sample ID No : 2018-07-26-07 /04
Customer ID : M20 Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test : 21/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete	M20	24/07/2018	21/08/2018	149.18 X	22322	8.237	532.8	23.4	23.0
					149.63 X					
					150.03					
2	M20 Concrete	M20	24/07/2018	21/08/2018	150.91 X	22861	8.286	500.6	22.0	
					151.48 X					
					151.08					
3	M20 Concrete	M20	24/07/2018	21/08/2018	149.77 X	22716	8.404	529.1	23.5	
					151.67 X					
					149.94					

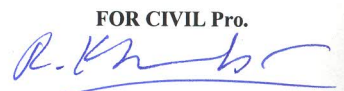
Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be disposed after 90 days from the date of issue of test certificate



Page 1/1
 ****End of Report****



FOR CIVIL Pro.

R KARTHIK RECHAN
 Authorized Signatory
 Quality Manager



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-26-07 Date: 31/07/2018

Customer : Assistant Executive Engineer, Vidyananyapura Sub Division, BBMP, Bangalore.

Address : Vidyananyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyananyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/VO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-07-18

Sample ID No : 2018-07-26-07 /05

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/07/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete	M20	24/07/2018	31/07/2018	151.47 X 151.59 X 149.71	22960	7.998	421.6	18.5	18.6
2	M20 Concrete	M20	24/07/2018	31/07/2018	151.25 X 149.26 X 149.64	22575	7.963	415.6	18.4	
3	M20 Concrete	M20	24/07/2018	31/07/2018	151.72 X 151.66 X 151.76	23010	8.300	423.0	18.8	

Note:

The results pertain to the samples received and tested.
 All information furnished by Customer/Representative
 Any correction in the report will make this report invalid
 This report without prior written approval should not be reproduced or published in full or part.
 Samples will be disposed after 90 days from the date of issue of test certificate

[Signature]
6/10/18

[Signature]
Assistant Executive Engineer
Vidyananyapura Sub Division
BBMP, Bangalore - 97

Page 1/1
****End of Report****

FOR CIVIL Pro.

[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager



M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
 GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-07-26-07 **Date:** 21/08/2018

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Maintenance of Ward and Emergency Works in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Agency : Sri.K.V.Subbareddy, #106/B, Aswathnagara, Bangalore-560094

Customer's Reference : BBMP/EE/BTP/WO/27/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-07-18

Sample ID No : 2018-07-26-07 /06

Customer ID : M20 Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/08/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	M20 Concrete	M20	24/07/2018	21/08/2018	150.48 X 149.82 X 151.46	22545	8.189	539.4	24.0	23.4
2	M20 Concrete	M20	24/07/2018	21/08/2018	150.21 X 149.10 X 149.68	22396	8.117	506.7	22.5	
3	M20 Concrete	M20	24/07/2018	21/08/2018	150.15 X 149.75 X 151.98	22485	8.393	538.1	23.8	

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 90 days from the date of issue of test certificate

[Signature]
21/8/18

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97
Page 1/1
****End of Report****



FOR CIVIL Pro.

R KARTHIK RECHAN

Authorized Signatory

Quality Manager